

Key Facts

- The silicon addition improves puddle fluidity, producing an appealing bead profile
- Less crack sensitive than other welding alloys
- Premium 5%Si double shaved tig wire
- Very low oxide levels resulting in superior welds

Description

5% Silicon alloy wire or rod suitable for fusion welding of alloy castings due to its excellent flow and penetration characteristics. Precision wound for smooth and consistent feeding.

Recommended Shielding Gas

100% Argon

Welding Positions

All positions

Classification, Approvals & Conformances

A5.10 ER4043

AWS A5.10.ER4043

AMS 4190

Applications

Generally used in the repair of automotive parts such as cylinder heads, inlet manifolds and housings. Can also be used for defects and cast repairs.

- Excellent for Alloy castings
- Automotive repairs
- Cylinder heads

Typical Analysis/Composition

Zn - Zinc	Mn - Manganese	Si - Silicon	Ti - Titanium
< 0.10	< 0.05	4.5 – 6.0	< 0.20
Mn - Magnesium	Al - Aluminum	Cu - Copper	Fe - Iron
< 0.05	Balance	< 0.530	< 0.80
Others			
< 0.15			

Typical Weld Mechanical Properties

Yield Strength:	27,000 psi
Tensile Strength:	180 - 250N/mm ²
Elongation (5xD):	8%

Packaging & Ordering Information

Size	Weight	Part Number
1.6mm	5kg	300015
2.4mm	5kg	300016
3.2mm	5kg	300017